

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
13 October 2005 (13.10.2005)

PCT

(10) International Publication Number
WO 2005/096646 A1

(51) International Patent Classification⁷: **H04Q 7/28**

(21) International Application Number:
PCT/EP2004/050253

(22) International Filing Date: 4 March 2004 (04.03.2004)

(25) Filing Language: English

(26) Publication Language: English

(71) Applicant (for all designated States except US): **TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)** [SE/SE]; S-SE-164 83 Stockholm (SE).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **BÄCKSTRÖM, Martin** [SE/SE]; Kassmans Väg 6, S-SE-182 38 Danderyd (SE). **LARSSON, Anders** [SE/SE]; Söndra Agnegatan 26, 4tr ög, S-112 29 Stockholm (SE).

(74) Agent: **LIND, Robert**; 4220 Nash Court, Oxford Business Park South, Oxford Oxfordshire OX4 2RU (GB).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM,

AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

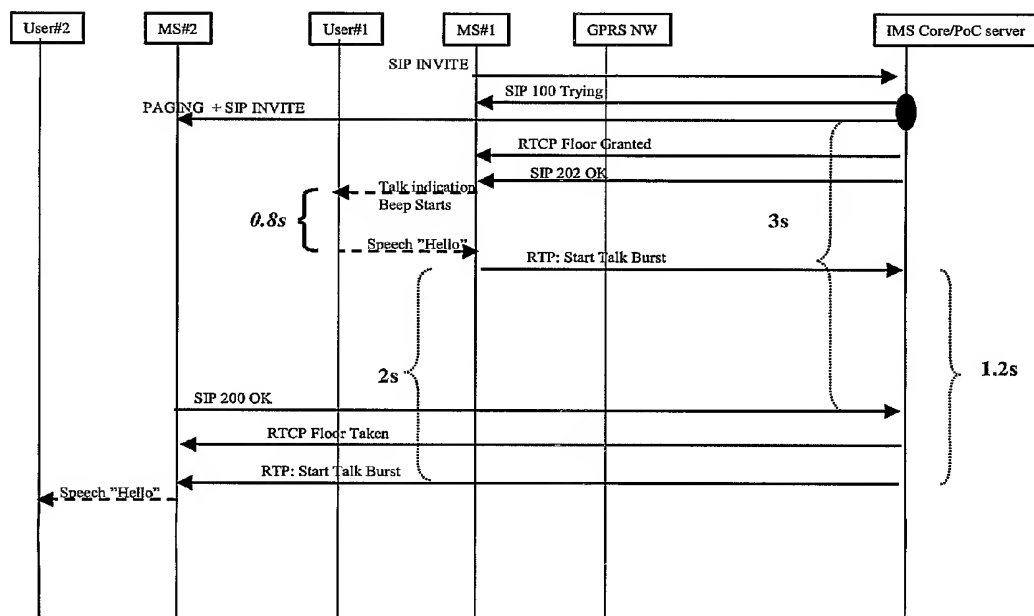
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: REDUCING LATENCY IN PUSH TO TALK SERVICES



(57) Abstract: A method of processing user speech data for transmission to a participant or participants in a Push to talk Over Cellular (PoC) session over a cellular telephone network. The method comprises, detecting an initial period of silence in the initial talk burst of the session, and removing that period of silence from the speech data prior to replaying of the speech data to the or each other participant. These signal processing steps may be carried out at one of the initiating terminal, the receiving terminal, or the IMS core.

WO 2005/096646 A1